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# NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/12/2006

Michael C. Staggs Lawrence Livermore National Laboratory L-703 P.O. Box 808 Livermore, CA 94551

| EXAM     | INER         |  |  |  |  |  |
|----------|--------------|--|--|--|--|--|
| BERGIN,  | JAMES S      |  |  |  |  |  |
| ART UNIT | PAPER NUMBER |  |  |  |  |  |

3641

DATE MAILED: 12/12/2006

| APPLICATION NO. FILING DATE |            | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------|------------|-------------|----------------------|---------------------|------------------|
|                             | 10/676 704 | 09/30/2003  | Jay B. Chase         | IL-11035            | 8130             |

TITLE OF INVENTION: OPTICALLY TRIGGERED FIRE SET/DETONATOR SYSTEM

| APPLN. TYPE        | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|--------------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| <br>nonprovisional | YES          | \$700         | \$300               | \$0                  | \$1000           | 03/12/2007 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| 7590<br>Michael C. Staggs   |   |   | nand  | (s) Transmittal. Thi<br>ers. Each additiona<br>e its own certificate  | l paper<br>of mai       | , such as an assignmer<br>ling or transmission.     | nt or formal drawing, must   |
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| Lawrence Livermore 1<br>L-703   | 12/12/20<br>National Labora   |   |   | Cerr  | tificate                | of Mailing or Transr                                | nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below. |
| P.O. Box 808<br>Livermore, CA 94551   |   |   |   |   |                         |   | (Depositor's name)   |
| Elvermore, ert 54551  |   |   |   |   |                         |   | (Signature)  |
|   |   |   |   |   |                         |   | (Date)   |
| APPLICATION NO.   | FILING DATE   |   | FIRST NAMED INVENTOR  |   | ATTO                    | RNEY DOCKET NO.                                     | CONFIRMATION NO.   |
| 10/676,704  | 09/30/2003  |   | Jay B. Chase  |   |                         | IL-11035  | 8130   |
| TITLE OF INVENTION: OPTI  | ICALLY TRIGGER  | ED FIRE SET/DETON                                       | ATOR SYSTEM   |   |                         |   |  |
| ·<br>·  |   |   | ·   |   |                         |   |  |
| APPLN. TYPE SM  | IALL ENTITY   | ISSUE FEE DUE   | PUBLICATION FEE DUE   | PREV. PAID ISSUE  | E FEE                   | TOTAL FEE(S) DUE                                    | DATE DUE   |
| nonprovisional  | YES   | \$700   | \$300   | \$0   |                         | \$1000  | 03/12/2007   |
| EXAMINER  |   | ART UNIT  | CLASS-SUBCLASS  |   |                         |   |  |
| BERGIN, JAMES   | SS  | 3641  | 102-217000  |   |                         |   |  |
| CFR 1.363).  Change of correspondenc Address form PTO/SB/122):  "Fee Address" indication PTO/SB/47; Rev 03-02 or m Number is required.  3. ASSIGNEE NAME AND RE PLEASE NOTE: Unless an recordation as set forth in 37  (A) NAME OF ASSIGNEE | attached.  (or "Fee Address" I nore recent) attached  ESIDENCE DATA  assignee is identification | ndication form i. Use of a Customer TO BE PRINTED ON To | data will appear on the pa  | vely, e firm (having as a gent) and the name methods or agents. If a printed.  be) atent. If an assigne assignment. | members of up<br>no nam | er a 2<br>to to<br>e is 3<br>entified below, the do | ocument has been filed for   |
| Please check the appropriate ass  | signee category or ca   | ategories (will not be pr                               | inted on the patent):   | Individual Co   | rporati                 | on or other private gro                             | up entity Government   |
| 4a. The following fee(s) are sub-<br>lssue Fee<br>Publication Fee (No smal<br>Advance Order - # of Co   | Il entity discount per  | rmitted)  | Payment of Fee(s): (Plea A check is enclosed.  Payment by credit car  The Director is hereby overpayment, to Depo | d. Form PTO-2038  | is atta                 | ched.   |  |
| 5. Change in Entity Status (fro   | LL ENTITY status.   | See 37 CFR 1.27.  | ☐ b. Applicant is no long   | ·   |                         |   |  |
| NOTE: The Issue Fee and Publi<br>interest as shown by the records   | ication Fee (if require of the United States  | red) will not be accepted s Patent and Trademark        | I from anyone other than the Office.  | he applicant; a regi  | stered a                | ittorney or agent; or the                           | e assignee or other party in   |
| Authorized Signature  |   |   | ·   | Date  |                         |   |  |
| Typed or printed name   |   |   |   | Registration N  | o                       |   |  |

submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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| 10/676,704                             | 09/30/2003             | Jay B. Chase         | IL-11035                        | 8130             |  |  |
| 75                                     | 90 12/12/2006          |                      | . EXAMINER                      |                  |  |  |
| Michael C. Stagg                       |                        | BERGIN, I            | BERGIN, JAMES S                 |                  |  |  |
|  | re National Laboratory | ART UNIT             | PAPER NUMBER                    |                  |  |  |
| L-703 P.O. Box 808 Livermore, CA 94551 |                        |                      | 3641<br>DATE MAILED: 12/12/2006 | 5                |  |  |

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 138 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 138 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.